GV-FE520 5MP H.264 Fisheye IP Camera

* GV-FE520 is excluded from Japan, EU and German market.

Introduction

The GV-FE520 is a fisheye camera that allows you to monitor all angles of a location using just one camera. The distorted hemispherical image of the fisheye camera will be converted into the conventional rectilinear projection.

Without installing any software, you can watch live view and utilize functions such as motion detection, privacy mask, and alert notification through the Web interface using an IE browser. In addition, the GV-FE520 seamlessly integrates with the GV-System, providing advanced monitoring and video management features.

The GV-Fisheye IP Camera is designed to be mounted on the ceiling, wall or ground. There are two ways to mount the GV-FE520 on the ceiling, **Hard Ceiling Mount** and **In-Ceiling Mount**. In-Ceiling Mount allows the GV-FE520 to be mounted into the ceiling, revealing a small portion of the camera.

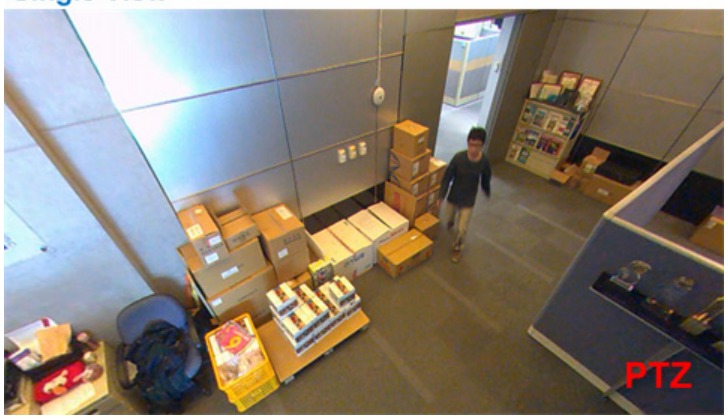
Key Features

- 5MP progressive scan CMOS
- H.264 and MJPEG
- Digital Object Tracking
- Wide Dynamic Range (WDR)
- Electronic Day/Night function
- Provides 360 and 180 degrees panorama view
- No mechanical moving parts
- Built-in Web server for monitoring through IE browser
- Virtual PTZ function
- Auto Pan function
- Different angle of view accessible by multiple users at the same time
- Up to 10 fps at 2560 x 1920
- Playback from any view angle and zoom level
- Privacy mask
- Visual automation
- Tampering alarm
- Two-way audio
- One sensor input and alarm output
- DC 12V / AC 24V / PoE
- Built-in micro SD card slot (SD/SDHC) for local storage
- 31 languages on Web interface
- ONVIF (Profile S) conformant

* No Memory Card Slot & local storage function for Argentina.

Fisheye Source Image

Single View

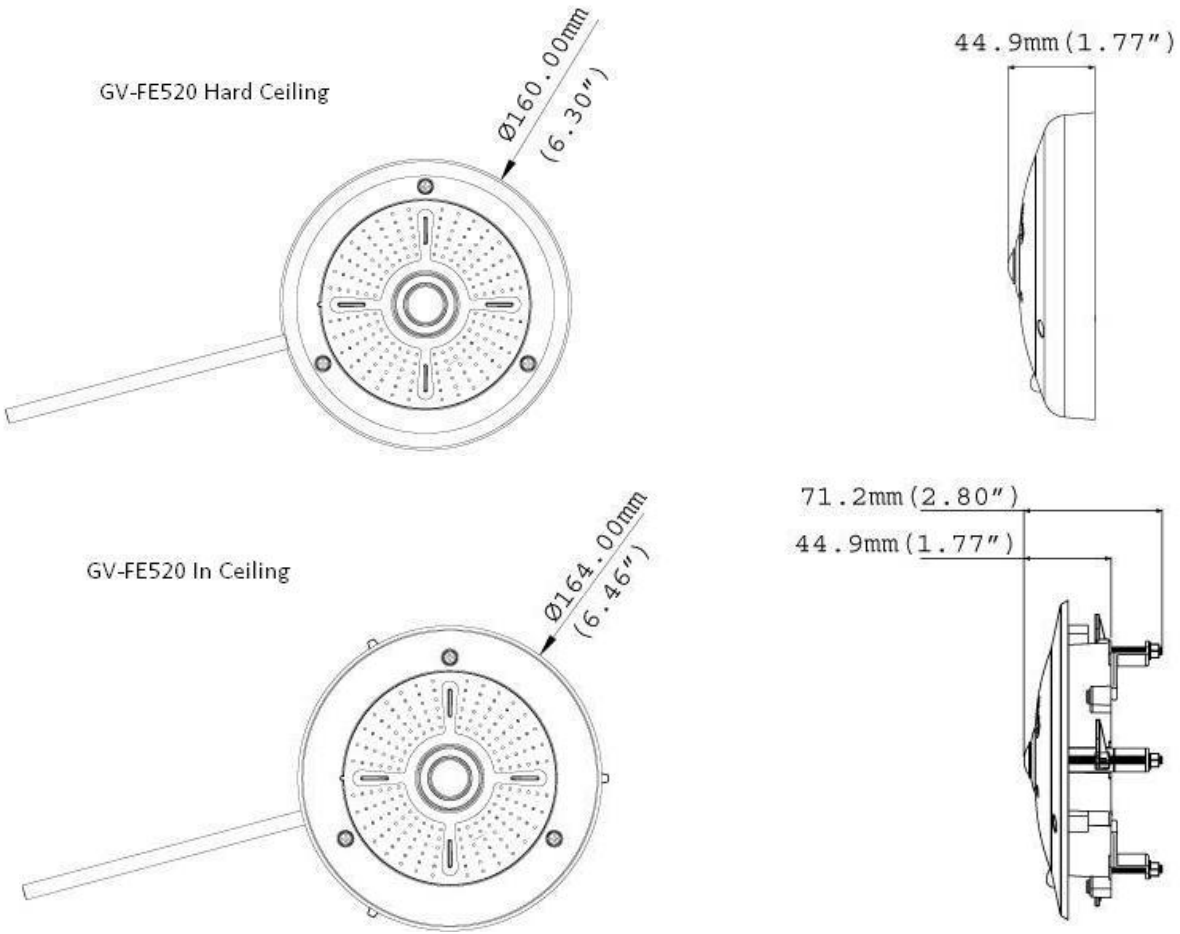


2 x 180° View

360° View

Quad View

Dimensions



Specifications

System Requirements		
OS	32-bit	Windows XP / Vista / 7 / Server 2008
	64-bit	Windows 7 / Server 2008
GV-System Version		GV-System V8.5.0.0 or later
Browser		Internet Explorer 7.x or later
Camera		
Image Sensor		1/2.5" progressive scan CMOS
Picture Elements		2560 (H) x 1920 (V)
Minimum Illumination	Color	0.15 Lux
	B/W	0.10 Lux
Shutter Speed		Automatic, Manual (1/5 – 1/8000 sec.)
White Balance		Automatic, Manual (2800K – 8500K)
Optics Lens		
Megapixel		Yes
Day/Night		Yes (electronic)
Iris		Fixed Iris
Focal Length		1.6 mm
Aperture		F/2
Mount		M12, Pitch 0.5 mm
Image Format		4.7 mm (Image Circle)
Operation	Focus	Fixed
	Zoom	Fixed
	Iris	Fixed

Operation			
Video Compression			H.264, MJPEG
Video Streaming			Single stream from H.264 or MJPEG
Frame Rate			10 fps at 2560 x 1920
Image Setting			Brightness, Contrast, Sharpness, Gamma, White Balance, Flicker-less, Backlight Compensation, Image Orientation, Shutter Speed, Day / Night, WDR, Defog
Audio Compression			G.711, AAC (optional)
Audio Support			Two-Way Audio
Sensor Input			1 Digital Input (Dry Contact)
Alarm Output			1 Digital Output
Network			
Interface			10/100 Ethernet
Protocol			HTTP, HTTPS, TCP, UDP, SMTP, FTP, DHCP, NTP, UPnP, DynDNS, RTSP, PSIA, SNMP, QoS (DSCP), ONVIF (Profile S)
Mechanical			
Lens Mounting			M12, Pitch 0.5 mm (0.02”)
Temperature Detector			Yes
Mechanical			
Connectors	Power		Terminal block (3 pin), PoE
	Ethernet		Ethernet (10/100 Base-T), RJ-45 Connector
	Audio		Built-in microphone and speaker
	Digital I/O		I/O Wire
	Auto Iris		None
	Local Storage		Micro SD card slot (SD/SDHC, SD version 2.0 only, Class 10) * **SDXC** and **UHS-I** card types are not supported
	TV-Out		None
General			
Environment Temperature			0 °C ~ 50 °C (32 °F ~ 122 °F)
Humidity			10% to 90% (no condensation)
Power Source			12V DC / 24V AC / PoE (IEEE802.3af)
Max. Power Consumption			5W
Dimensions	Camera Body	Hard-Ceiling Mount	ø 160 x 44.9 mm (6.30” x 1.77”)
		In-Ceiling Mount	ø 164 x 44.9 mm (6.46” x 1.77”)
	Cable Length		1 m (3.28 ft.)
	Cable Diameter		ø 8 mm (0.31”)
	Maximum Connector Diameter		ø 28.5 mm (1.12”)
Weight			650 g (1.43 lb)
Regulatory			CE, FCC, C-Tick, RoHS compliant
Power over Ethernet			
PoE Standard			IEEE 802.3af Power over Ethernet / PSE
PoE Power Supply Type			End-Span
PoE Power Output			Per Port 48V DC, 350mA. Max. 15.4 watts
Web Interface			
Installation Management			Web-based configuration
Maintenance			Firmware upgrade through Web Browser or Utility
Access from Web Browser			Camera Live View, Video Recording, Change Video Quality, Bandwidth Control, Image Snapshot, Digital I/O Control, Audio, Picture in Picture, Picture and Picture, Privacy Mask, Visual Automation, Tampering Alarm, Auto Pan Function, Virtual PTZ, Motion Detection, Wide Angle Lens Dewarping, Text Overlay, Digital PTZ
Language			Arabic / Bulgarian / Czech / Danish / Dutch / English / Finnish / French / German / Greek / Hebrew / Hungarian / Indonesian / Italian / Japanese / Lithuanian / Norwegian / Persian / Polish / Portuguese / Romanian / Russian / Serbian / Simplified Chinese / Slovakian / Slovenian / Spanish / Swedish / Thai / Traditional Chinese / Turkish

Applications	
Network Storage	GV-NVR, GV-System, GV-Backup Center, GV-Recording Server
Live Viewing	IE , mobile phone
CMS Server Support	GV-Control Center, GV-Center V2, GV-VSM

Note: Specifications are subject to change without notice.

Packing List

1. Fisheye Camera
2. Camera Cover (Hard Ceiling Mount)
3. Screw (Hard Ceiling Mount) x 3
4. Plastic Screw Anchor x 3
5. Camera Cover (In-Ceiling Mount)
6. Screw (In-Ceiling Mount) x 3
7. Support Bracket x 3
8. Torx Wrench

Accessories

Model No.	Name		Details
GV-Mount100	**Straight Tube and Junction Box Kit**		Dimensions: 200 x 170 x 257.5 mm (7.9” x 6.7” x 10.1”) Weight: 3.17 Kg (6.99 lb)
GV-Mount101	**Straight Tube Kit**		Dimensions: 219 x 125 x 332 mm (8.6” x 4.9” x 13.1”) Weight: 1.8 Kg (3.97 lb)
GV-Mount200	**Wall Pendant Tube**		Dimensions: 225 x 140 x 250 mm (8.9” x 5.5” x 9.8”) Weight: 900 g (1.98 lb)
GV-Mount203	**Wall Pendant Tube and Junction Box Kit**		Dimensions: 315 x 195.5 x 225 mm (12.4” x 7.7” x 8.9”) Weight: 2.95 Kg (6.5 lb)
GV-Mount300	**Convex Corner Adapter Kit**		Dimensions: 238.6 x 409.5 mm (9.4” x 16.1”) Weight: 4.27 Kg (9.41 lb)

Model No.	Name		Details
GV-Mount310	Concave Corner Adapter Kit		Dimensions: 238.6 x 409.5 mm (9.4” x 16.1”) Weight: 4.27 Kg (9.41 lb)
GV-Mount400	Pole Mount Bracket Kit (Ø 4" ~ 6")		Bracket: 241 x 161 mm (9.5” x 6.3”) Weight: 1.70 Kg (3.75 lb) Steel Strap Diameter: Ø 4" ~ 6"
GV-Mount410	Pole Mount Bracket Kit (Ø 6" ~ 7.5")		Bracket: 241 x 161 mm (9.5” x 6.3”) Weight: 1.70 Kg (3.75 lb) Steel Strap Diameter: Ø 6" ~ 7.5"
GV-Mount702	Extension Tube		**Four** options are available. Dimensions: Ø 5.4 x 10 or 20 or 30 or 50 cm (Ø 2.1” x 3.9” or 7.9” or 11.8” or 19.7”) Weight: 180 g or 390 g or 550 g or 800 g (0.4 lb or 0.86 lb or 1.21lb or 1.76 lb)
GV-Mount903	Fisheye Dome Housing		Dimensions: Ø 186 x 97.5 mm (Ø 7.3” x 3.8”) Weight: 700 g (1.54 lb)
GV-Mount904	Tilting Wall Mount Bracket		Dimensions: Ø 159.1 x 40.5 mm (Ø 6.3” x 1.6”) Weight: 400 g (0.88 lb)
GV-Mount912	Power Box Mount Bracket		Dimensions: Ø 146 x 10.5 mm (Ø 5.7’’ x 0.4’’) Weight: 180 g (0.4 lb)

Model No.	Name	Details
GV-PA191	**Power over Ethernet (PoE) Adapter**	The GV-PA191 is a Power over Ethernet (PoE) adapter designed to provide power to the IP device through a single Ethernet cable.
Power Adapter		Power adapters are available in 4 regions: U.S.A., Australia, U.K and Europe.
GV-POE Switch		The GV-POE Switch is designed to provide power along with network connection for IP devices. The GV-POE Switch is available in various models with different numbers and types of ports.